

ABSTRACT OF THE DISCLOSURE

INSA > The invention provides a solid polymeric lubricant composition which, when the composition is packed in a polymeric lubricant packed rolling bearing, does not increase the rotational torque of the bearing, and prevents voids from remaining when the composition is packed and formed in the bearing, seizure from occurring when the rolling bearing is rotated, and also a polymeric lubricant packed rolling bearing in which such a solid polymeric lubricant composition is packed.

As means for attaining the object, the kinematic viscosity of lubricating oil which is the base oil to be mixed with a polymer is set to be low or in a range of 10 to 200 mm²/s at 40°C, and an extreme pressure additive and/or an antiwear agent is blended with the lubricating oil. Therefore, the viscosity of the solid polymeric lubricant composition (polymeric lubricant) before solidification is lowered, so that the composition can spread to enter every corners and gaps in the bearing and the rotational torque of the bearing can be reduced. Furthermore, seizure can be prevented from occurring by the presence of the extreme pressure additive and/or the antiwear agent.